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(54) PREVENTING AND THERAPEUTIC AGENT FOR ALLERGIC DISEASE

(57)Abstract:

PURPOSE: To obtain a preventing and therapeutic agent for allergic diseases containing polygalacturonic acid which is a common substance in a pectate lyase and a polygalacturonase, its salt or ester as an active ingredient.

CONSTITUTION: This preventing and therapeutic agent for allergic diseases contains polygalacturonic acid, its salt or ester as an active ingredient. The agent is useful as a preventing and therapeutic agent for pollinosis, among them pollinosis of Cryptomeria japonica D. Don. The preventing and therapeutic agent is capable of preventing and treating the allergic diseases by inhibiting the formation of a cross-linked structure of an allergen with IgE on the surface of sensitized cells. The polygalacturonic acid may be a polyuronic acid comprising a galacturonic acid residue; however, pectic acid in which naturally occurring D-galacturonic acid is bound through a 1 → 4 bonds is especially preferred. An alkaline metallic salt such as an Na or a K salt, an alkaline earth metallic salt, an organic amine salt, etc., are cited as the salt. A methyl, an ethyl esters, etc., are cited as the ester.

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